

FIG. 1A

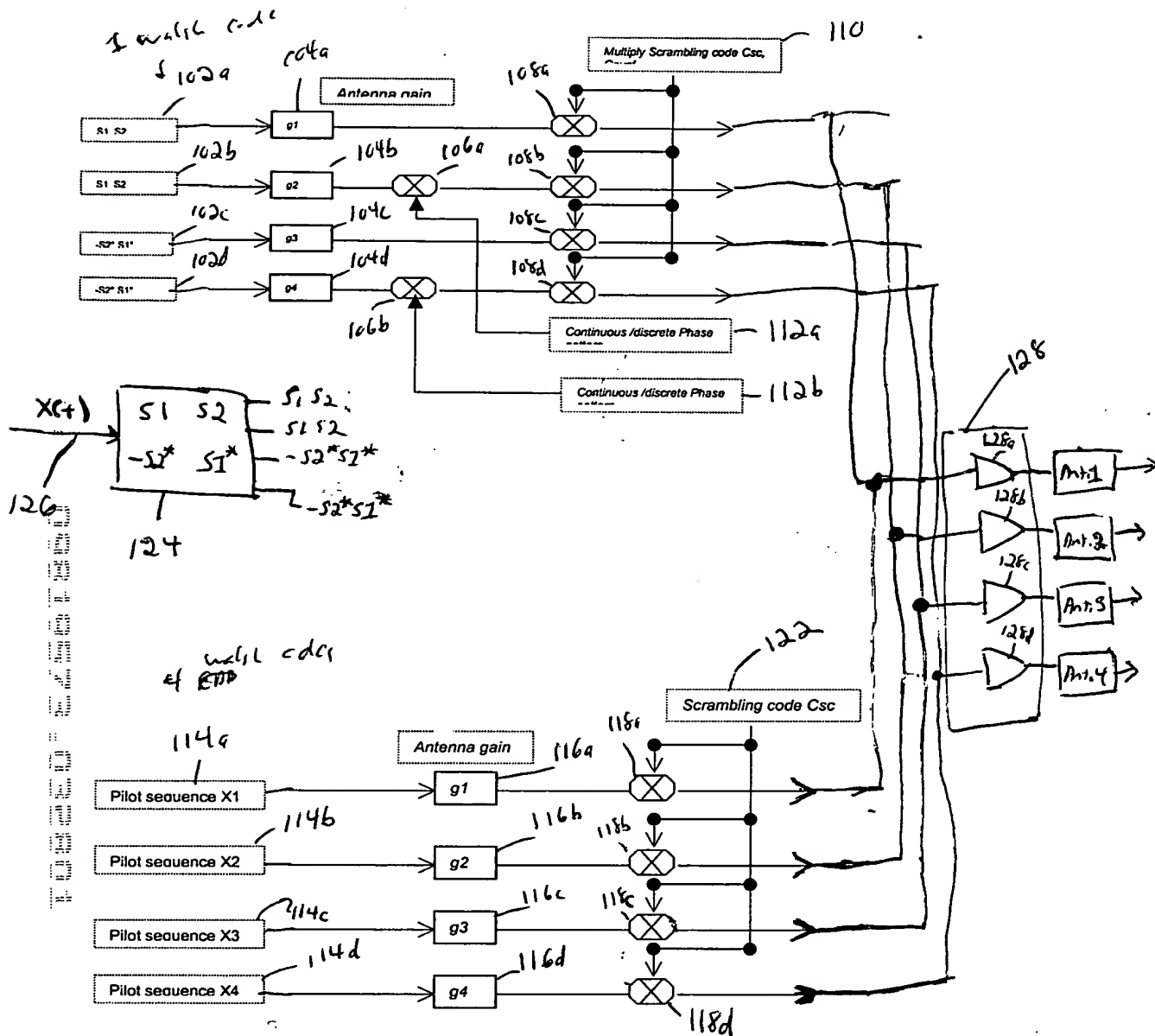


FIG. 1d

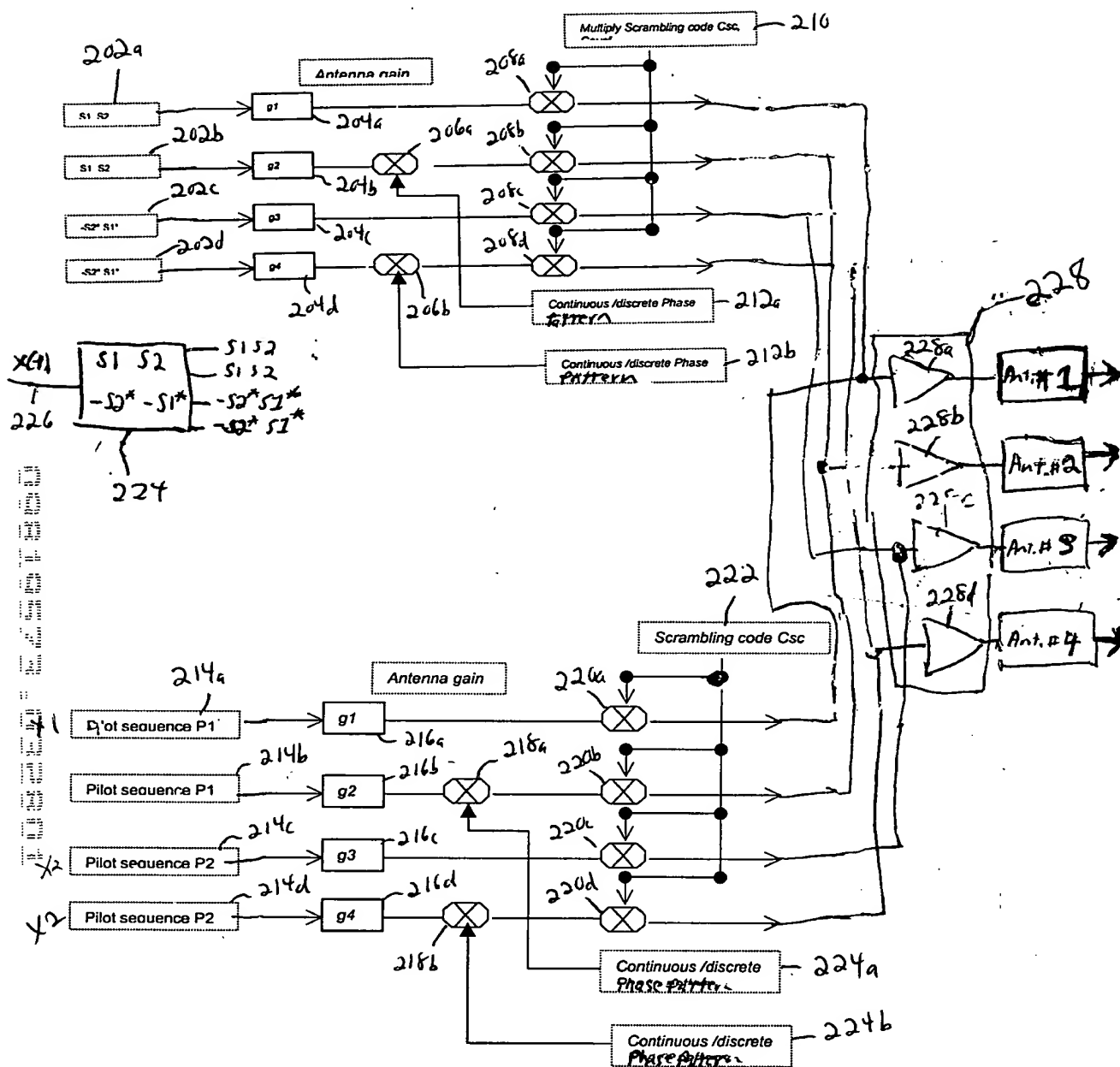


Fig. 2.

NC17533

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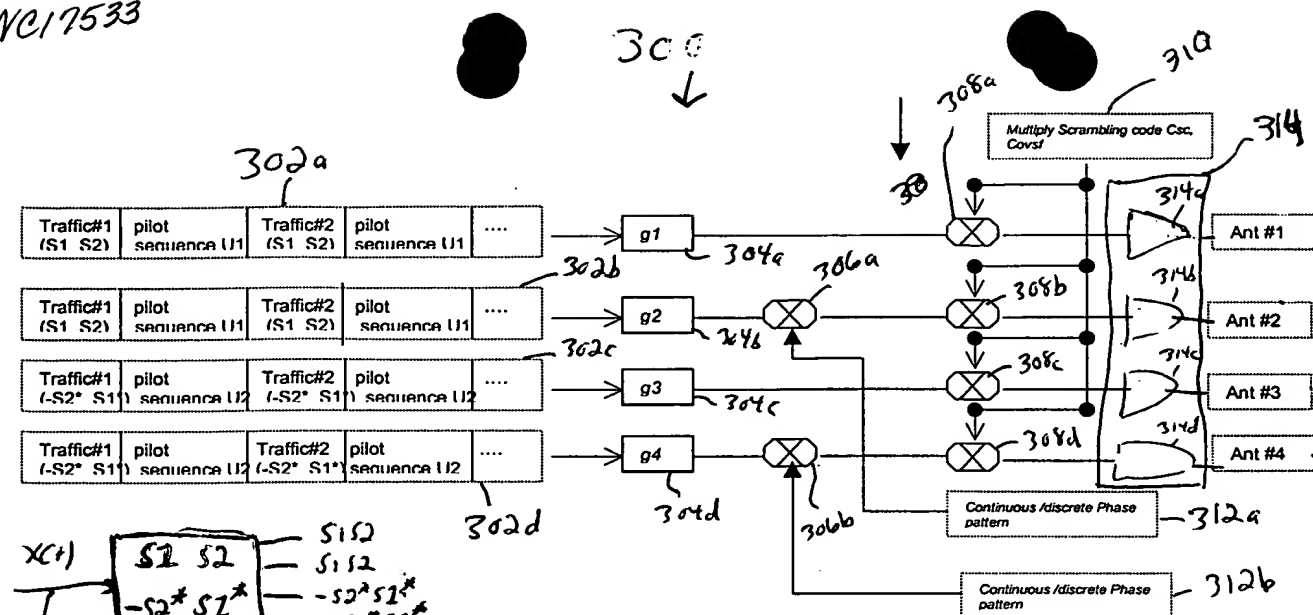


FIG. 3

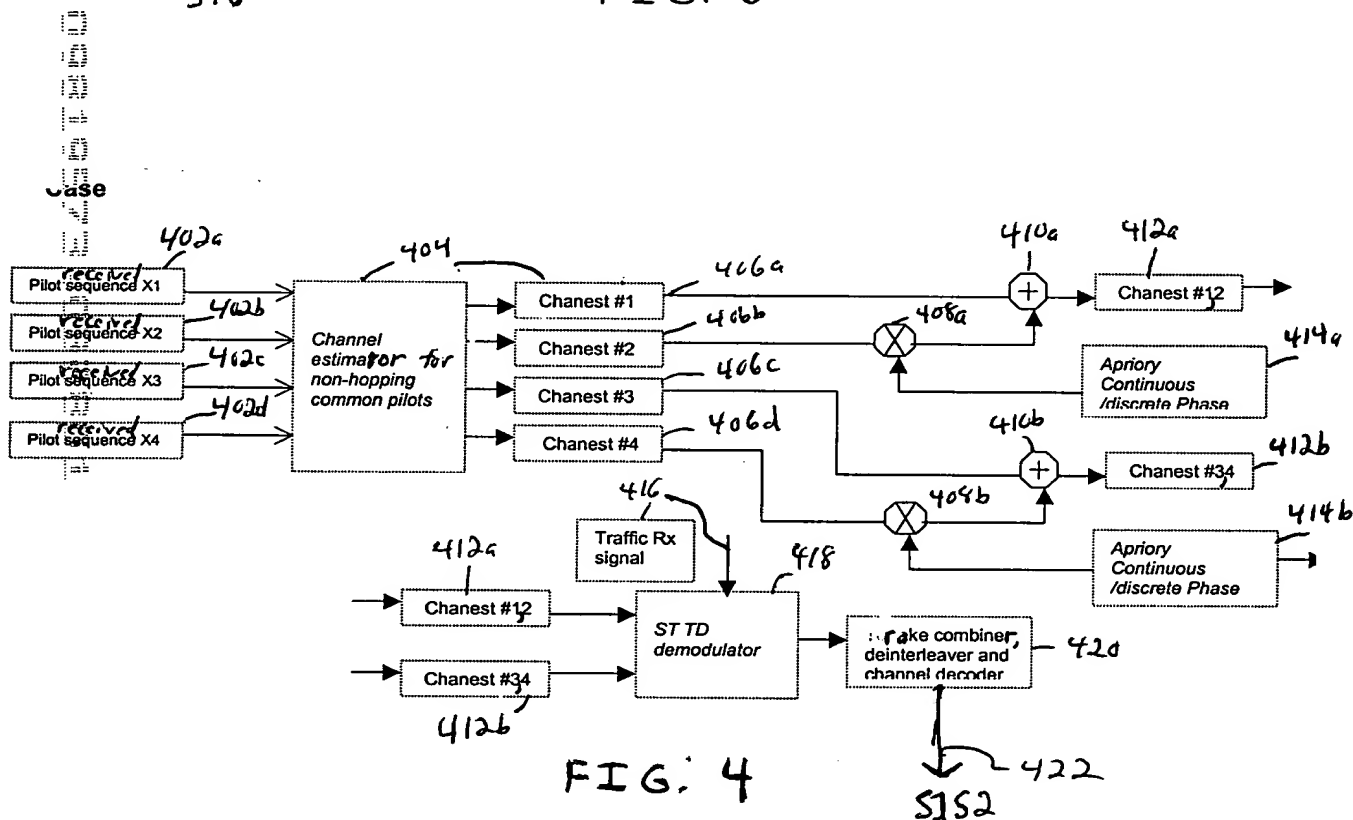


FIG. 4

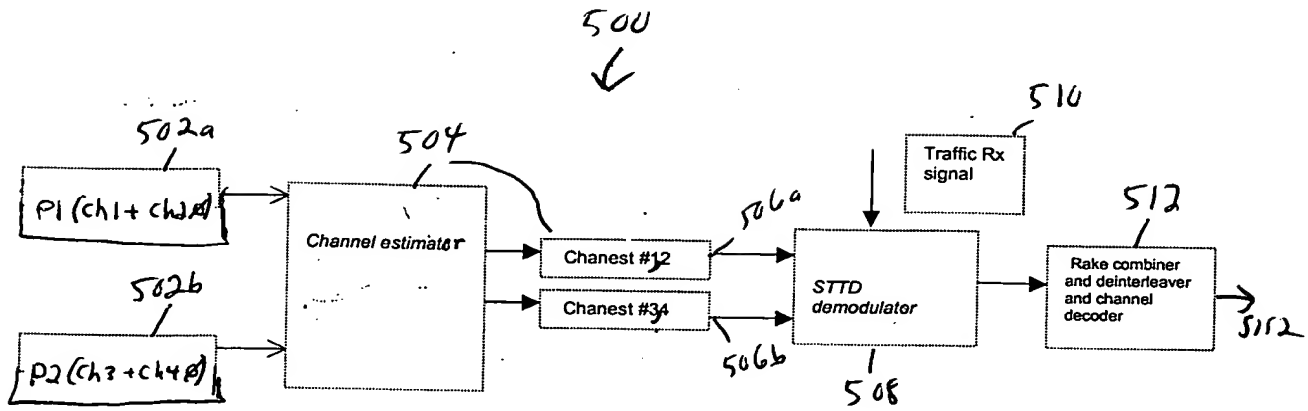


FIG. 5

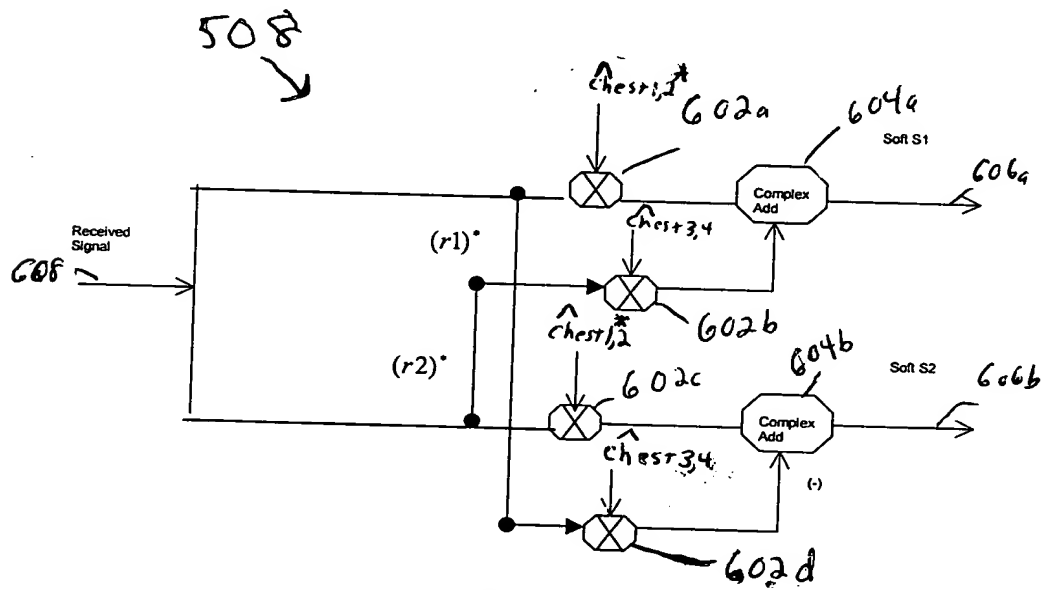


FIG. 6

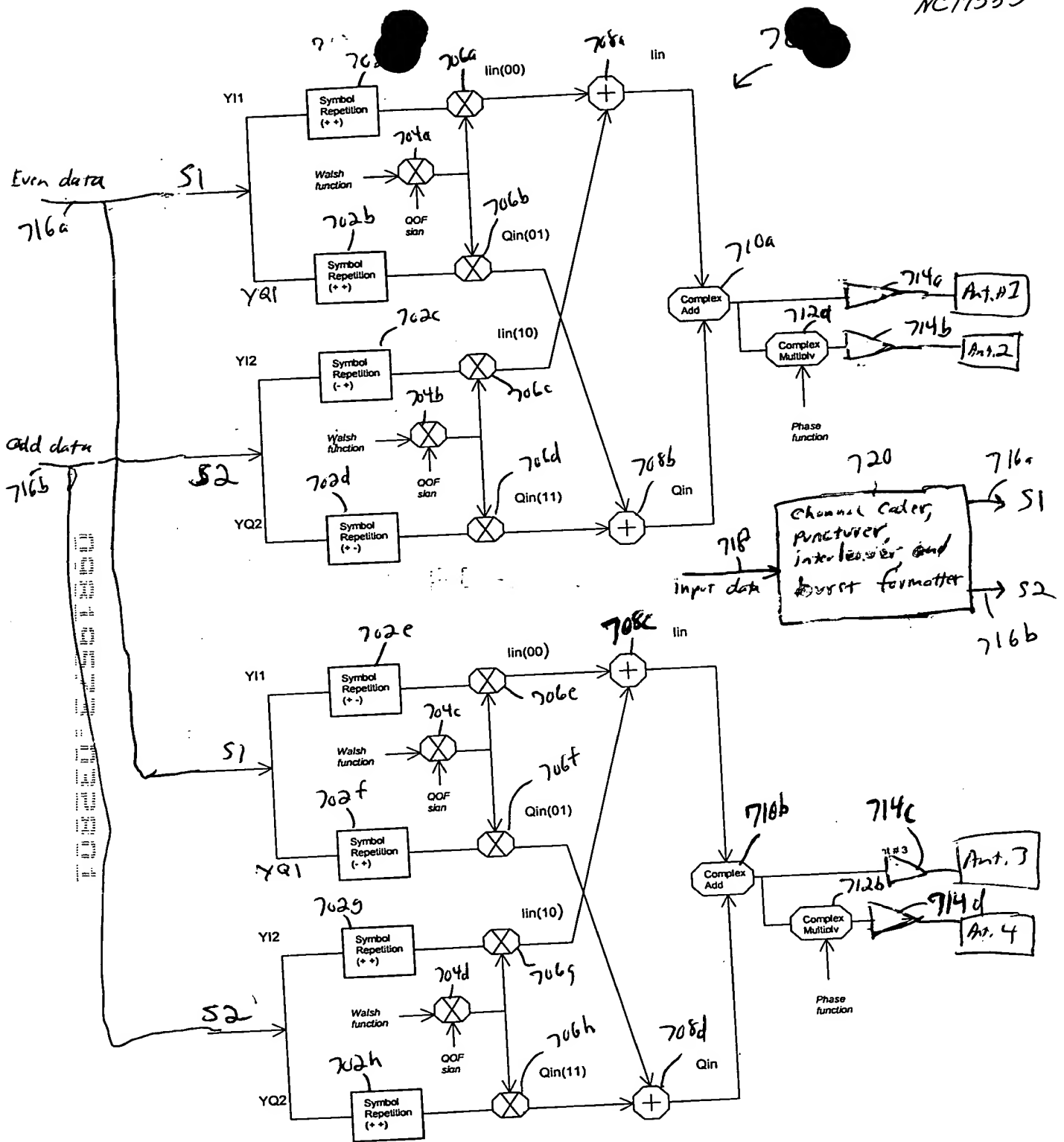
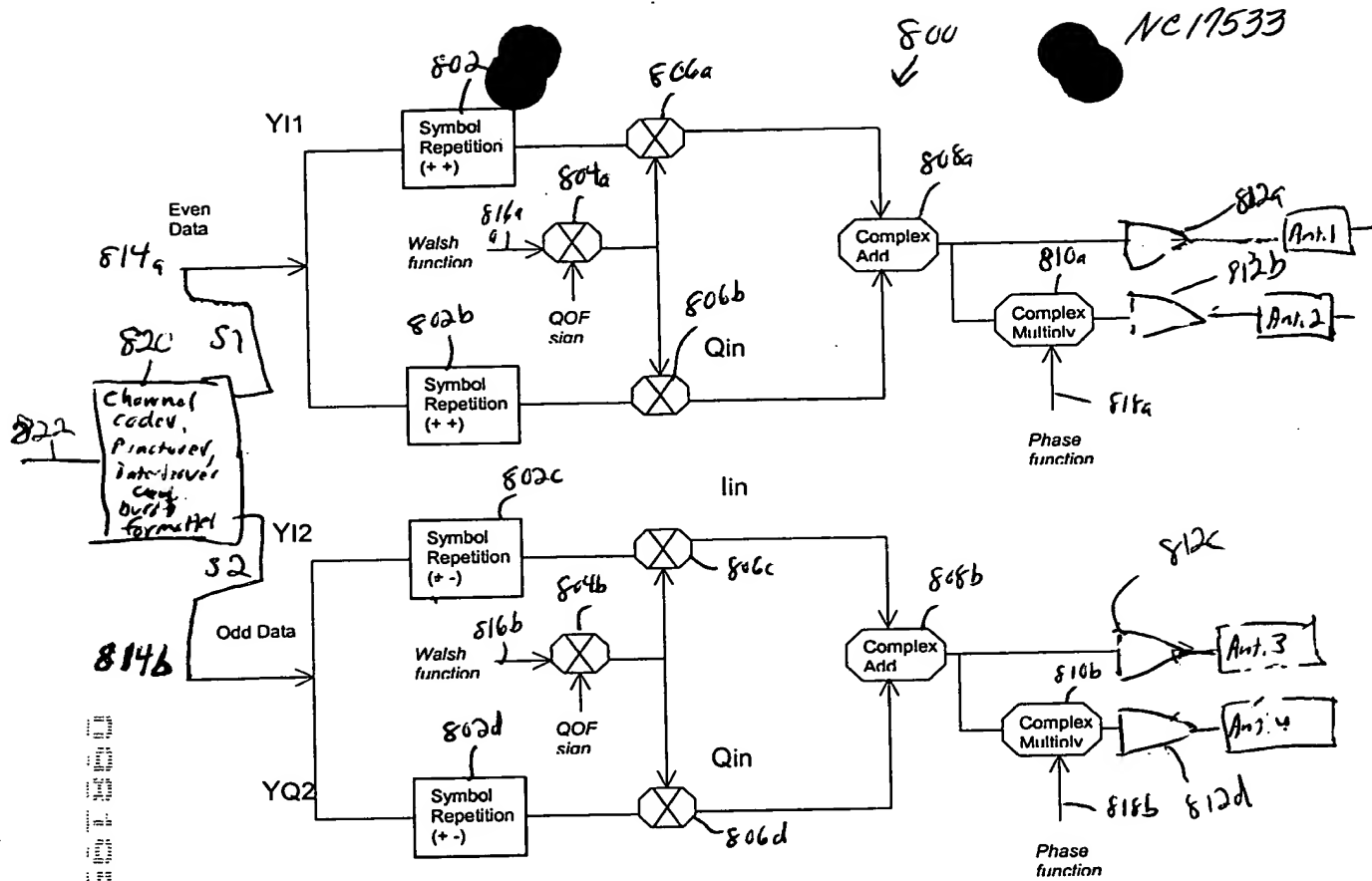


FIG. 7



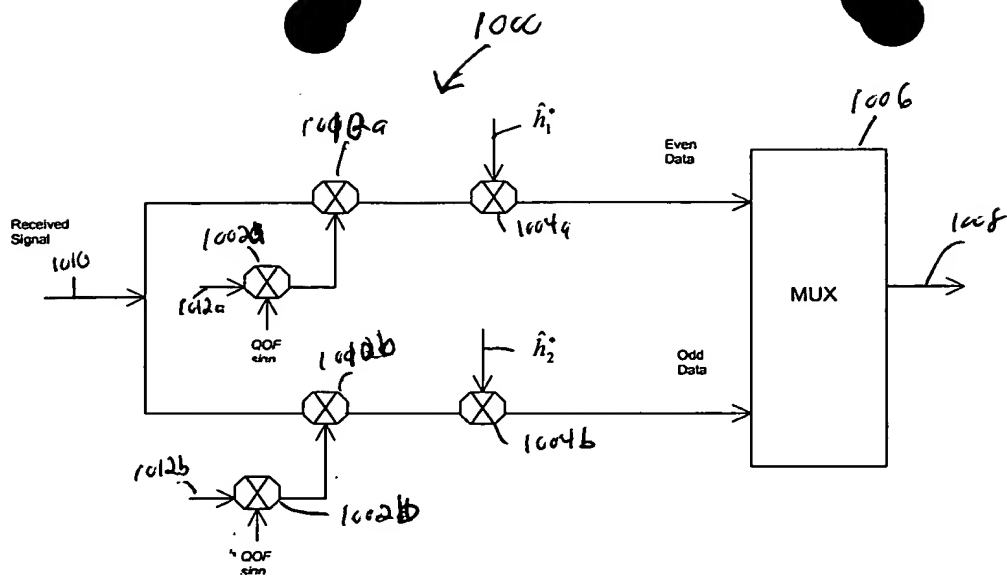


FIG. 10

OTD

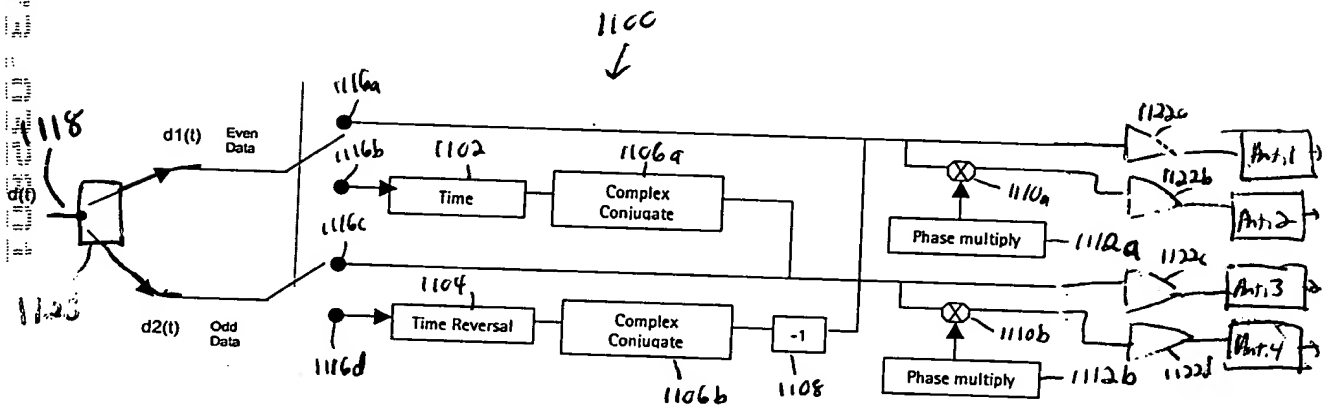


FIG. 11



[illegible]

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1300

1304

A priori Continuous /discrete Phase pattern

1302a

Pilot carriers D1

Pilot carriers I14

Pilot carriers D2

Pilot carriers I12

1302d

1308a

Channel #12

Channel #34

1308b

FIG. 13

1306

deinterleaver and decoder

ST TD demodulator

1310

1314

Received signal

1312

1400

1410a

Phase Shifter

Channel #12 (t+1)

Channel #1 (t)

Channel #2 (t)

Channel #3 (t)

Channel #4 (t)

Channel estimator

1404a

1404b

1404c

1404d

1406a

1406b

1406c

1406d

1406e

1406f

1406g

1406h

1406i

1406j

1406k

1406l

1406m

1406n

1406o

1406p

1406q

1406r

1406s

1406t

1406u

1406v

1406w

1406x

1406y

1406z

1406aa

1406ab

1406ac

1406ad

1406ae

1406af

1406ag

1406ah

1406ai

1406aj

1406ak

1406al

1406am

1406an

1406ao

1406ap

1406aq

1406ar

1406as

1406at

1406au

1406av

1406aw

1406ax

1406ay

1406az

1406ba

1406bb

1406bc

1406bd

1406be

1406bf

1406bg

1406bh

1406bi

1406bj

1406bk

1406bl

1406bm

1406bn

1406bo

1406bp

1406bq

1406br

1406bs

1406bt

1406bu

1406bv

1406bw

1406bx

1406by

1406bz

1406ca

1406cb

1406cc

1406cd

1406ce

1406cf

1406cg

1406ch

1406ci

1406cj

1406ck

1406cl

1406cm

1406cn

1406co

1406cp

1406cq

1406cr

1406cs

1406ct

1406cu

1406cv

1406cw

1406cx

1406cy

1406cz

1406da

1406db

1406dc

1406dd

1406de

1406df

1406dg

1406dh

1406di

1406dj

1406dk

1406dl

1406dm

1406dn

1406do

1406dp

1406dq

1406dr

1406ds

1406dt

1406du

1406dv

1406dw

1406dx

1406dy

1406dz

1406ea

1406eb

1406ec

1406ed

1406ee

1406ef

1406eg

1406eh

1406ei

1406ej

1406ek

1406el

1406em

1406en

1406eo

1406ep

1406eq

1406er

1406es

1406et

1406eu

1406ev

1406ew

1406ex

1406ey

1406ez

1406fa

1406fb

1406fc

1406fd

1406fe

1406ff

1406fg

1406fh

1406fi

1406fj

1406fk

1406fl

1406fm

1406fn

1406fo

1406fp

1406fq

1406fr

1406fs

1406ft

1406fu

1406fv

1406fw

1406fx

1406fy

1406fz

1406ga

1406gb

1406gc

1406gd

1406ge

1406gf

1406gg

1406gh

1406gi

1406gj

1406gk

1406gl

1406gm

1406gn

1406go

1406gp

1406gq

1406gr

1406gs

1406gt

1406gu

1406gv

1406gw

1406gx

1406gy

1406gz

1406ha

1406hb

1406hc

1406hd

1406he

1406hf

1406hg

1406hh

1406hi

1406hj

1406hk

1406hl

1406hm

1406hn

1406ho

1406hp

1406hq

1406hr

1406hs

1406ht

1406hu

1406hv

1406hw

1406hx

1406hy

1406hz

1406ia

1406ib

1406ic

1406id

1406ie

1406if

1406ig

1406ih

1406ii

1406ij

1406ik

1406il

1406im

1406in

1406io

1406ip

1406iq

1406ir

1406is

1406it

1406iu

1406iv

1406iw

1406ix

1406iy

1406iz

1406ja

1406jb

1406jc

1406jd

1406je

1406jf

1406jg

1406jh

1406ji

1406jj

1406jk

1406jl

1406jm